# Linanthus bolanderi (Gray) E. Greene Baker's linanthus Polemoniaceae (Phlox Family)

Status: State Sensitive

Rank: G4G5S2

**General Description:** Slender annual up to 10 in. (25 cm) tall; leaves 3 to 7 parted and ½ in. (1cm), opposite; flowers on glandular stalks (pedicels), corolla white to pink or violet and sometimes bicolored; the slender tube distinctly protruding from the calyx and usually with a ring of hairs near or below the middle, filaments 1 to 2 times as long as the anthers; fruits multi-chambered, several seeds in each compartment.

Identification Tips: Linanthus bolanderi is most closely related to L. septentrionalis and L. pharnaceoides. These species can be distinguished by their corolla lobes and filaments. The corolla lobes of L. bolanderi are only about half as long as the tube, and its filaments are 1 to 2 times as long as the anthers. The corolla lobes of L. septentrionalis and L. pharnaceoides are about equaling or more often distinctly longer than the tube, and their filaments are several or many times as long as the anthers.

Phenology: Linanthus bolanderi flowers in April and May.

**Range:** Peripheral in Klickitat County, Washington, and south through Oregon to the Coast Ranges and Sierra Nevada of California.

**Habitat:** Occurs primarily in dry rocky places, often on open slopes, growing in fine textured mineral soils. Areas are often bare or semi-vegetated with scattered basalt rocks. This species has been found growing in Washington at elevations ranging from 850 to 1800 ft (260 to 550 m).

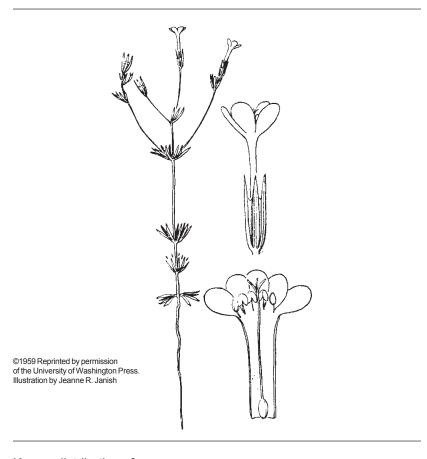
**Ecology:** *Linanthus bolanderi* may have the ability to withstand a certain amount of disturbance. In Washington, it has been observed growing in an area heavily impacted by grazing horses.

**State Status Comments:** Five recent sightings and three historical populations are recorded from Klickitat County, Washington. There appears to be a lot of potential habitat for this species.

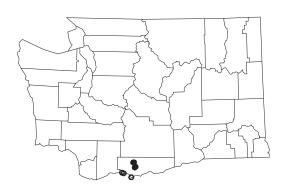
**Inventory Needs:** Open, dry rocky places in Klickitat County should be systematically surveyed.

#### Linanthus bolanderi

Baker's linanthus



Known distribution of *Linanthus bolanderi* in Washington



- Current (1980+)
- O Historic (older than 1980)

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Baker's linanthus







2003 Produced as part of a cooperative project between the Washington Department of Natural Resources, Washington Natural Heritage Program and the U.S.D.I. Bureau of Land Management. Persons needing this information in an alternative format, call (360) 902-1600 or TTY (360) 902-1125.

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Baker's linanthus

**Threats and Management Concerns:** Extensive grazing is a possible threat.

**Comments:** This species is synonymous with *L. bakeri* Mason.

#### References:

Hitchcock, C.L., A. Cronquist, M. Ownbey, J.W. Thompson. 1959. Vascular Plants of the Pacific Northwest Part 4: Ericaceae Through Campanulaceae. University of Washington Press, Seattle, WA. 510 pp.

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